

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	Pressure/Forced ☐		Temperature/Cure ☐		Power Loss/Surge ☐	
Design ☐	☐ Operator	Bending ☐		Set-up ☐		Folio/Program ☐	Positioned Wrong ☐
Doc/Data ☐	☐ Offset/Setup	Centre Not Concentric ☐		BOM/Route ☐		Grain ☐	Outside Dimensions ☐
Equip/Tooling ☐	☐ Supplier	Cracks ☐		Broken/Damage/Defect ☐		Weld ☐	Over/Under tolerance ☐
Handling/Pre ☐	☐ Training	Crimp/Kink/Ripple/Wave ☐		Inspection Incomplete/Unqualified ☐		Wrong Stock Pulled ☐	Part Incorrect ☐
Material ☐	☐ Use for Testing	Cuffs ☐		Contamination ☐		Out of Sequence ☐	Part Lost/Missing ☐
Internal Transport ☐	☐ Poor Information	Crushing ☐		Countersink ☐		Off-set ☐	Part Moved ☐
Tribal Knowledge ☐	☐ Rushing	Heat Treat ☐		Cut Too Short ☐		Mislabeled ☐	Drawing ☐
LOA ☐	☐ Product Improvement	Wave/Twist in Tube ☐		Instructions Incomplete/Unclear ☐		Fit/Function ☐	Finish ☐
Substation ☐	☐ Process Improvement	Marks/Chatter ☐		Drill Holes ☐		Misaligned/off center ☐	Misread ☐
Past Expiry Date ☐	☐ Manufacturing Process	OTHER :					
Misidentified ☐	☐ Past Due						

Work Order ID 156862

Wednesday, February 08, 2017 9:11:22 AM

156862

Page 2

Item ID: D3022-1

Revision ID:

Item Name: Seat Pan

Start Date: 2/3/2017

Required Date: 2/8/2017

Reference:

Accept

N900040100

Setup Start

NS1

Stop

NS2

Start Qty: 1.00

1

Cust Item ID:

Req'd Qty: 1.00

1

Customer:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC8- Inspect parts - second check

0.00

120

QC

Quality Control

Memo

0.00

FEB 23 2017

130

Bend as per dwg

0.01

130

Brake NC

Brake NC

Memo

0.01

DAS
30
9-89

①

FEB 23 2017

140

QC5- Inspect part completeness to step on W/O

0.00

140

QC

Quality Control

Memo

0.00

DAS
38
9-89

FEB 24 2017

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Misidentified ☐	Past Due ☐																																																																

Work Order ID 156862

Wednesday, February 08, 2017 9:11:22 AM

156862

Page 3

Item ID: D3022-1**Revision ID:****Item Name:** Seat Pan**Start Date:** 2/3/2017**Required Date:** 2/8/2017**Reference:****Accept*****N900040100*****Setup Start*****NS1*****Stop*****NS2*****Start Qty:** 1.00***1*****Cust Item ID:****Req'd Qty:** 1.00***1*****Customer:****Approvals:****Process Plan:** _____**Date:** _____**Tooling:** _____**Date:** _____**Run Start*****NR1*****QC:** _____**Date:** _____**SPC (Y/N):** _____**Date:** _____**Stop*****NR2*****Sequence ID/
Work Center ID**

200

200

Packaging

Packaging

**Operation
Description**Identify as per dwg & Stock Location: WAC**Set Up/
Run Hours**

0.00

Tool ID**Tool #****Plan
Code****Accept
Qty****Reject
Qty****Reject
Number****Insp.
Stamp****Memo**

LOCATION: WA001

0.00

1 2 17-3-2

210

210

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.02

17/3/2 JDDAS
21
9-89

MAR 02 2017

DQA: _____ Date: _____



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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
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Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						

Picklist Print

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Page 1

Work Order ID: 156862

156862

Parent Item: D3022-1

D3022-1

Parent Item Name: Seat Pan

Start Date: 2/3/2017

Required Date: 2/8/2017

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP C02.01.23Revised NG

IPP Rev:D 08-04-16 now water jet DD verified by:EC

IPP Rev:E 08-12-18 as per ECN08-582 DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

M2024T3S.032

Purchased

No

100

sf

62.5600

3.277

3.449474

DAS
46
9-89

17/02/19

M2024T3S 032

2024-T3 .032 sheet

Location

Loc Qty

Loc Code

MAT022

62.56

M133452

2.5

M134581

4.5

M135010

6

M135032

8.8

M136687

40.76

4

DQA: _____ Date: _____



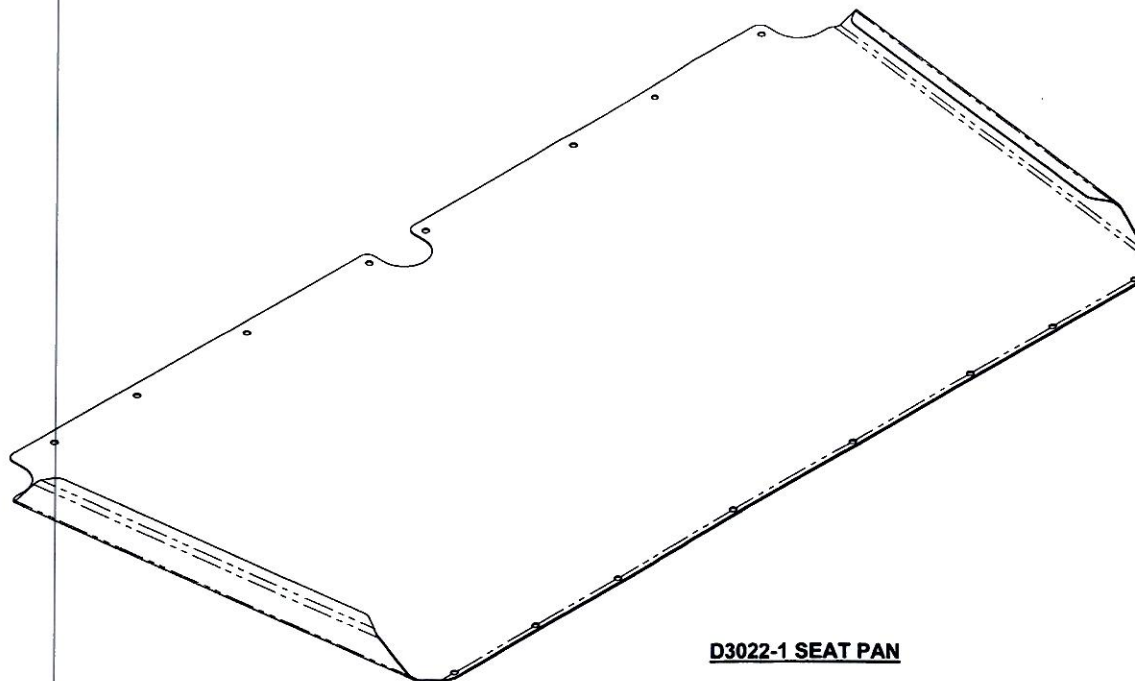
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Misidentified ☐	Past Due ☐								

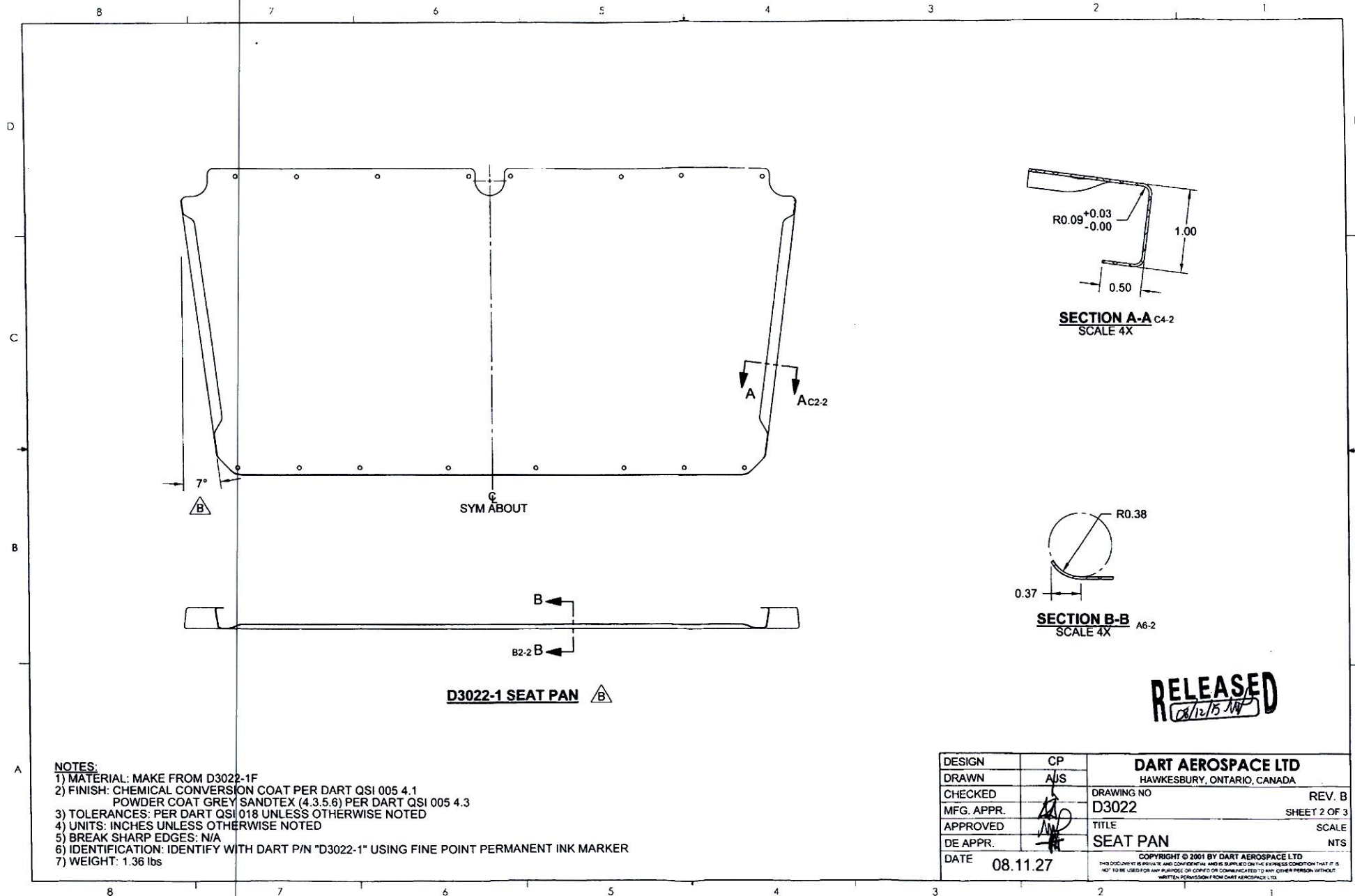
SHOP COPY
 RETURN TO
 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. 156862ML5
 1702-09

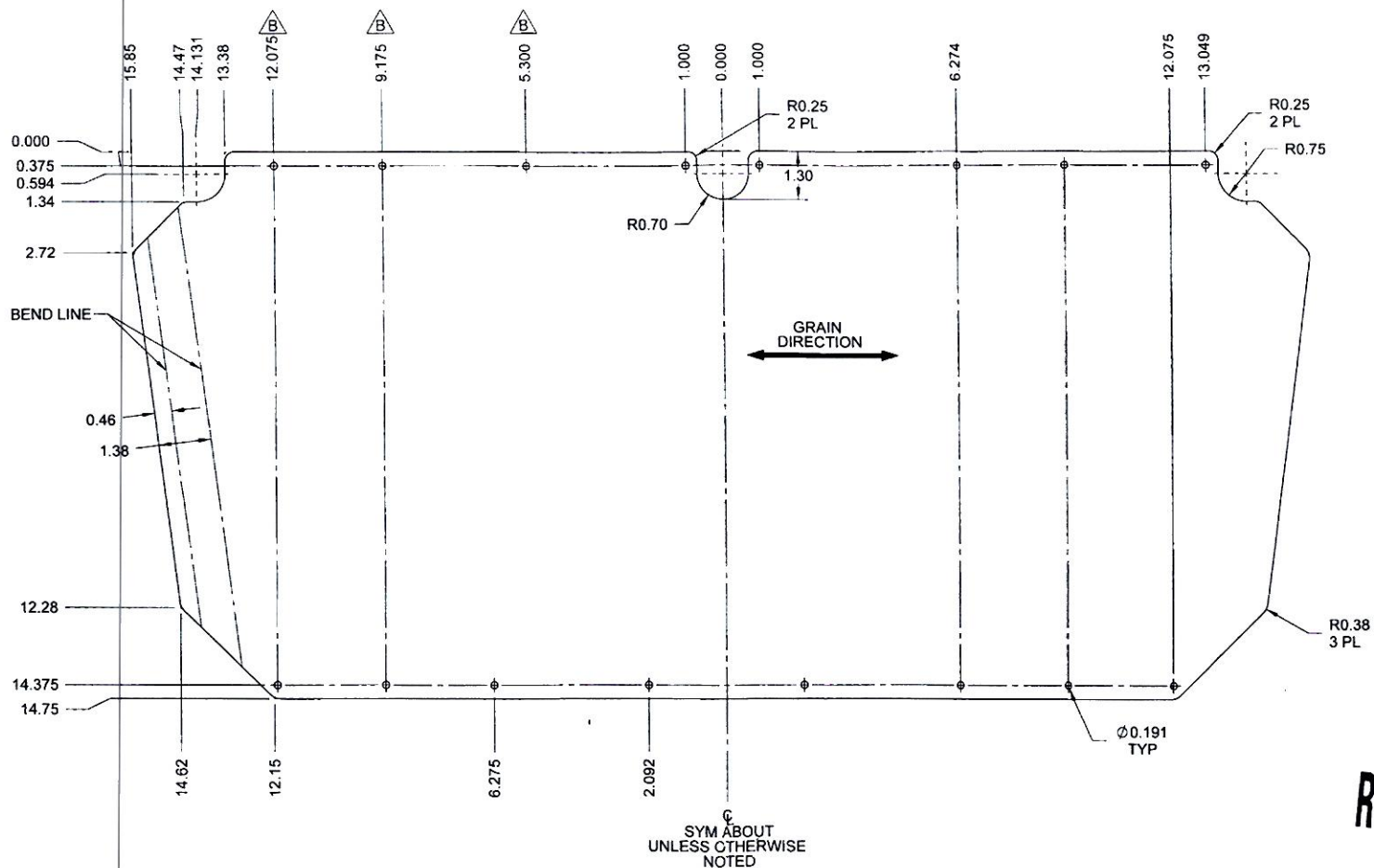


D3022-1 SEAT PAN

RELEASED
 08/12/15 W

B	REDRAWN IN SOLIDWORKS TO CURRENT DESIGN STANDARDS AND TRANSFERRED TO "B" SIZE BORDER. SPLIT VIEWS FOR FORMED PART AND FLAT PATTERN. B7-2 7" DIM ADDED. D7-3 12.075 WAS 12.325, D6-3 9.175 WAS 9.425 & D5-3 5.300 WAS 5.550. REASON: DRAFTING ERROR.		AJS	08.11.27
A	NEW ISSUE		CP	01.05.18
REV.	DESCRIPTION		BY	DATE
DESIGN	CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	AJS			
CHECKED			DRAWING NO.	REV. B
MFG. APPR.			D3022	SHEET 1 OF 3
APPROVED			TITLE	SCALE
DE APPR.		SEAT PAN	NTS	
DATE	08.11.27	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		





NOTES:

- 1) MATERIAL: 2024-T3 ALUMINUM SHEET, 0.032 THICK
PER AMS-QQ-A-250/4 OR AMS 4037
REF DART SPEC M2024T3S.032
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 1.36 lbs

D3022-1F SEAT PAN

DESIGN	CP	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. D3022	REV. B
MFG. APPR.			SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SEAT PAN	NTS
DATE	08.11.27	COPYRIGHT © 2001 BY DART AEROSPACE LTD	
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